

PTO/SB/08A (04-03)  
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Page

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of

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Application Number

09/891,138

Filing Date

June 25, 2001

First Named Inventor

Lin, Daniel Chi-Hong, et. al. 3

Art Unit

1647

Examiner Name

Christopher J. Nichols

Attorney Docket Number

018781-006210US

Complete if Known

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### U.S. PATENT DOCUMENTS

| Examiner | Cite No. <sup>1</sup> | Document Number<br>Number Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|----------|-----------------------|---|--------------------------------|--|---|
| CSN      | CA                    | US- 2002/017887 A1  | 09/26/2002                     | Hedrick et al.                                     |   |
|          |                       | US-   |                                |  |   |
|          |                       | US-   |                                |  |   |
|          |                       | US-   |                                |  |   |
|          |                       | US-   |                                |  |   |
|          |                       | US-   |                                |  |   |
|          |                       | US-   |                                |  |   |
|          |                       | US-   |                                |  |   |
|          |                       | US-   |                                |  |   |
|          |                       | US-   |                                |  |   |
|          |                       | US-   |                                |  |   |

### FOREIGN PATENT DOCUMENTS

| Examiner<br>Initials <sup>4</sup> | Cite<br>No. <sup>1</sup> | Foreign Patent Document   |                     |                                   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns,<br>Lines, Where<br>Relevant Passages<br>or Relevant Figures<br>Appear | T <sup>5</sup>           |
|-----------------------------------|--------------------------|---------------------------|---------------------|-----------------------------------|--------------------------------|--|---|--------------------------|
|                                   |                          | Country Code <sup>3</sup> | Number <sup>4</sup> | Kind Code <sup>2</sup> (if known) |                                |  |   |                          |
| CSN                               | CB                       | PCT                       | WO<br>01/79449      | A2                                | 10/25/2001                     | Hyseq, Inc.  |   | <input type="checkbox"/> |
|                                   | CC                       | PCT                       | WO<br>01/90304      | A2                                | 11/29/2001                     | Human Genome<br>Sciences, Inc.                     |   | <input type="checkbox"/> |
|                                   | CD                       | PCT                       | WO<br>01/98351      | A2                                | 12/27/2001                     | Incyte Genomics, Inc.                              |   | <input type="checkbox"/> |
|                                   | CE                       | PCT                       | WO<br>02/61087      | A2                                | 08/08/2002                     | Lifespan Biosciences,<br>Inc.                      |   | <input type="checkbox"/> |
| CSN                               | CF                       | PCT                       | WO<br>03/000893     | A2                                | 01/03/2003                     | Decode Genetics<br>EHF.                            |   | <input type="checkbox"/> |
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Considered

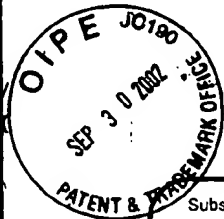
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Sheet 1 of 1

## Complete if Known

|                        |                               |
|------------------------|-------------------------------|
| Application Number     | 09/891,138                    |
| Filing Date            | June 25, 2001                 |
| First Named Inventor   | Lin, Daniel Chi-Hong, et. al. |
| Art Unit               | 1646 1647                     |
| Examiner Name          | Not yet assigned - NICHOLS    |
| Attorney Docket Number | 018781-006210US               |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   |                     |                                   | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>2</sup>           |
|--------------------|-----------------------|---------------------------|---------------------|-----------------------------------|-----------------------------|---|---|--------------------------|
|                    |                       | Country Code <sup>3</sup> | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |                             |   |   |                          |
| CN                 | BA                    | EP                        | 1 096 009           | A1                                | 05/02/2001                  | Pfizer Limited et al.                           |   | <input type="checkbox"/> |
|                    | BB                    | WO                        | 00/22131            | A2                                | 04/20/2000                  | Dominic P. Behan et al.                         |   | <input type="checkbox"/> |
|                    | BC                    | WO                        | 00/31258            | A2                                | 08/02/2000                  | Ruoping Chen et al.                             |   | <input type="checkbox"/> |
|                    | BD                    | WO                        | 01/25432            | A2                                | 04/12/2001                  | Schering Corporation                            |   | <input type="checkbox"/> |
|                    | BE                    | WO                        | 01/33221            | A1                                | 05/10/2001                  | SmithKline Beecham Corporation et al            |   | <input type="checkbox"/> |
|                    | BF                    | WO                        | 01/46414            | A1                                | 06/28/2001                  | Banyu Pharmaceutical CO., LTD.                  |   | <input type="checkbox"/> |
|                    | BG                    | WO                        | 01/85793            | A2                                | 11/15/2001                  | Pharmacia & Upjohn Company                      |   | <input type="checkbox"/> |

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---------------------|-----------------------|---|----------------|
| CN                  | BH                    | STADEL J. et al., "Orphan G protein-coupled receptors: a neglected opportunity for pioneer drug discovery" Trends in Pharmacological Sciences, Elsevier Trends Journal, Cambridge, GB, vol. 18, no. 11, pp. 430-437, (November 1, 1997)                         |                |
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Date  
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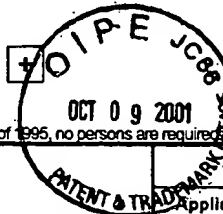
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

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Application Number 09/891,138  
Filing Date June 25, 2001  
First Named Inventor Lin, Daniel Chi-Hong  
Group Art Unit 1640  
Examiner Name NICHOL  
Attorney Docket Number 018781-006240USC

## U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
|                    |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
| CS                 | AA                    | US 5,871,963         | A                                 | Conley, et al.                                  | 02-16-1999                                       |   |
| CS                 | AB                    | US 5,955,309         | A                                 | Ellis, et al.                                   | 09-21-1999                                       |   |
| CS                 | AC                    | US 6,063,582         | A                                 | Conley, et al.                                  | 05-16-2000                                       |   |
| CS                 | AD                    | US 6,204,017         | B1                                | Behan, et al.                                   | 03-20-2001                                       |   |
| CS                 | AE                    | US 6,222,029         | B1                                | Edwards, et al.                                 | 04-24-2001                                       |   |

## FOREIGN PATENT DOCUMENTS

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|                    |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |   |  |   |                |
| CS                 | AF                    | EPO                     | WO 96/05302         | A1                                | Takeda Chemical Industries, LTD.                | 02-22-1996                                       |   |                |
|                    | AG                    | EPO                     | WO 97/24929         | A1                                | Human Genome Sciences, Inc.                     | 07-17-1997                                       |   |                |
|                    | AH                    | EPO                     | WO 99/06552         | A2                                | Genset  | 02-11-1999                                       |   |                |
|                    | AI                    | EPO                     | WO 00/11166         | A1                                | Millennium Pharmaceuticals, Inc.                | 03-02-2000                                       |   |                |
|                    | AJ                    | EPO                     | WO 00/22131         | A2                                | Behan, et al.                                   | 04-20-2000                                       |   |                |
|                    | AK                    | EPO                     | WO 00/28032         | A2                                | Incyte Pharmaceuticals, Inc.                    | 05-18-2000                                       |   |                |
|                    | AL                    | EPO                     | WO 00/61628         | A1                                | Human Genome Sciences, Inc.                     | 10-19-2000                                       |   |                |
|                    | AM                    | EPO                     | WO 01/31014         | A2                                | Pharmacia & Upjohn Company                      | 05-03-2001                                       |   |                |
|                    | AN                    | EPO                     | WO 00/31258         | A2                                | Arena Pharmaceuticals, Inc.                     | 06-02-2000                                       |   |                |
|                    | AO                    | EPO                     | WO 01/36473         | A2                                | Pharmacia & Upjohn Company                      | 05-25-2001                                       |   |                |
| CS                 | AP                    | EPO                     | EP 1090925          | A1                                | Pfizer Limited                                  | 04-11-2001                                       |   |                |

Examiner Signature

*G. M. H. S.*

Date Considered

4/8/2003

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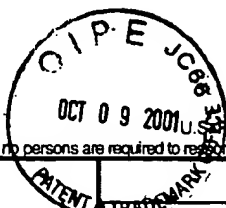
<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **2** of

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|                        |                      |
|------------------------|----------------------|
| Application Number     | 09/891,138           |
| Filing Date            | June 25, 2001        |
| First Named Inventor   | Lin, Daniel Chi-Hong |
| Group Art Unit         | 4848 <b>1147</b>     |
| Examiner Name          | <b>NICHOLS</b>       |
| Attorney Docket Number | 018781-006210US      |

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## FOREIGN PATENT DOCUMENTS

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|--------------------|-----------------------|-------------------------|---------------------|-----------------------------------|---|--|--|----------------|
|                    |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |   |  |  |                |
| <b>CS</b>          | AQ                    | EPO                     | EP 1096009          | A1                                | Pfizer Limited                                  | 05-02-2001                                       |  |                |
|                    | AR                    | EPO                     | EP 0892051          | A2                                | Smithkline Beecham Corporation                  | 01-20-1999                                       |  |                |
|                    | AS                    | EPO                     | EP 0892051          | A3                                | Smithkline Beecham Corporation                  | 01-20-1999                                       |  |                |
|                    | AT                    | JPO                     | 08-245697           |                                   | Takeda Chemical Industries, LTD.                | 09-24-1996                                       |  |                |
| <b>CS</b>          | AU                    | JPO                     | 11032770            | A                                 | Asahi Kasei Kogyo KK                            | 07-24-1997                                       |  |                |
|                    |                       |                         |                     |                                   |   |  |  |                |
|                    |                       |                         |                     |                                   |   |  |  |                |

|                    |                   |                 |                 |
|--------------------|-------------------|-----------------|-----------------|
| Examiner Signature | <b>G. Nichols</b> | Date Considered | <b>4/8/2003</b> |
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